

SECRET**288**

(Security Classification)

25X1

ROUTING			
TO:	NAME AND ADDRESS	DATE	INITIALS
1			
2			
3			
4			
	ACTION	DIRECT REPLY	PREPARE REPLY
	APPROVAL	DISPATCH	RECOMMENDATION
	COMMENT	FILE	RETURN
	CONCURRENCE	INFORMATION	SIGNATURE
REMARKS:			
FROM: NAME, ADDRESS, AND PHONE NO.			DATE

CONTROL NO. Z-11321/82

NPIC/PEG (9/82)

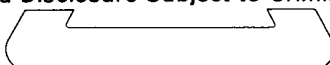
COPY _____ OF _____

**Warning Notice**

Intelligence Sources or Methods Involved

NATIONAL SECURITY INFORMATION

Unauthorized Disclosure Subject to Criminal Sanctions

**SECRET**

(Security Classification)

Page Denied

Next 1 Page(s) In Document Denied

SECRET

25X1

(c) NATIONAL PHOTOGRAPHIC INTERPRETATION CENTERPage 1 of 1Attachment to Z-11321/82
NPIC/PEG (09/82)

Copy _____

**SILO VULNERABILITY TEST
SHAGAN RIVER TEST AREA, USSR**

25X1

1. (SWN) SIGNIFICANCE: A SILO VULNERABILITY TEST HAS BEEN CONDUCTED AT AREA 89 OF THIS FACILITY.
2. (SWN) REMARKS: SINCE [REDACTED] HIGH EXPLOSIVES SIMULATION TECHNIQUE (HEST), BERM LOADED EXPLOSIVES SIMULATION TECHNIQUE (BLEST), AND DIRECT INDUCED HIGH EXPLOSIVES SIMULATION TECHNIQUE (DI-HEST) TESTS HAVE BEEN CONDUCTED AGAINST SILOS 10 AND 12. TEST STRUCTURES WERE CONSTRUCTED OVER AND ADJACENT TO BOTH SILOS TO SIMULATE BLAST OVERPRESSURE AND GROUND SHOCK. THE TEST CREATED A LARGE THROWOUT CRATER ADJACENT TO EACH SILO, AND APPARENTLY COLLAPSED THE ROOF OF A DRIVE-DOWN INSTRUMENTATION BUNKER BETWEEN THE TWO SILOS. THE COLLAPSED BUNKER HAD BEEN CONSTRUCTED FOR AN EARLIER AND ABORTED TEST AT THIS SITE IN 1981 AND WAS PROBABLY NOT USED FOR THIS TEST. BOTH THROWOUT CRATERS ARE COMPARABLE IN SIZE AND MEASURE APPROXIMATELY 68 BY 98 METERS AT SILO 10 AND APPROXIMATELY 66 BY 100 METERS AT SILO 12. WORK IS UNDERWAY TO CLEAR THE RUBBLE FROM BOTH SILOS AND THE SILO DOOR APPEARS TO HAVE BEEN PARTIALLY UNCOVERED AT SILO 12.

25X1

(SWN) SILO 10 IS A TYPE IIIF SILO ASSOCIATED WITH THE SS-18 MISSILE SYSTEM, AND SILO 12 IS A TYPE IIIG SILO ASSOCIATED WITH THE SS-19 MISSILE SYSTEM. SILOS 10 AND 12 WERE LOADED IN JUNE AND JULY 1982, RESPECTIVELY, AND THE HEST AND BLEST BEDS WERE COMPLETED BY THE END OF AUGUST 1982.

3. [REDACTED] COORDINATES 49-59-25N 078-55-43E

25X1

COMMENTS AND QUERIES REGARDING THIS BRIEFING BOARD MAY BE DIRECTED TO [REDACTED]

25X1

These notes have been prepared for briefing purposes only and should not be used for detailed analytical work. Their use should be restricted to the particular briefing board(s) they were prepared for and must be considered valid only for the reporting period as indicated by the date of issue.

25X1

WARNING NOTICE
Intelligence Sources
and Methods Involved

SECRET

25X1